

DECLARATION AND POWER OF ATTORNEY

I, XIAO CHEN, declare that I am a citizen China, residing at Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with YI DONG AND ASHOK NANJUNDAN of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND APPARATUS FOR PROVIDING A SIMULATION OF A WELDING PROCESS
USING INTEGRATED MODELS**

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

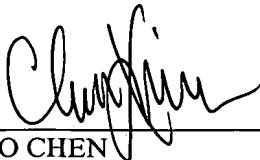
I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Provisional Application Serial Number: 60/161,816
Provisional Application Filing Date: October 27, 1999

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Steve D. Lundquist, Patent Office Reg. No. 42,816, telephone (314) 849-4079, Joseph W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, Robert J. Hampsch, Patent Office Reg. No. 36,155, telephone (309) 675-5214, and R. Carl Wilbur, Patent Office Reg. No. 36,056, telephone (309) 675-5847, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Steve D. Lundquist, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



XIAO CHEN

09/12/00

Date

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DECLARATION AND POWER OF ATTORNEY

I, YI DONG, declare that I am a citizen China, residing at Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with XIAO CHEN AND ASHOK NANJUNDAN of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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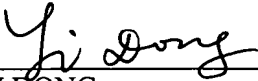
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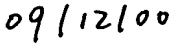
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DECLARATION AND POWER OF ATTORNEY

I, ASHOK NANJUNDAN, declare that I am a citizen India, residing at Savoy, Illinois, and that I believe I am one of the original, first, and joint inventors together with XIAO CHEN AND YI DONG of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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